

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:** Casey, William**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-029220**Date Inspected:** 22-Feb-2013**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1730**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** jobsite**CWI Name:****CWI Present:****Yes No****Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG**Summary of Items Observed:**

Quality Assurance Inspector (QAI) Matthew Daggett was at the American Bridge/Fluor (ABF) job site at the San Francisco/Oakland Bay Bridge in California between the times noted above in order to perform clerical support tasks in the office, and to monitor Quality Control functions and the in process work being performed by ABF personnel:

This QAI updated the spread sheets used to track Request for Weld Repairs (RWR's). The spread sheet will be used not only for tracking purposes but as a guide for the inspection team to more readily access the RWR's for inspection purposes.

The QAI also updated the spreadsheet tracking the status of Non-Destructive Testing (NDT) on the project, and filed a hard copy of the NDT reports in the proper binder. The updated spreadsheet was forwarded to the inspection team for their use.

This QAI spent time maintaining the binder and spreadsheet tracking RWR's by weld joint number. Due to the amount of RWR correspondence, this task is on going. The tracking system, and filing system is in place now for organization by weld joint number so this should be a maintenance activity from now on.

This QAI continues closing out RWR's upon receipt of the QA Non-Destructive Testing Reports. When the QA NDT reports are received this QAI stamps the corresponding RWR "Completed" and files them in a three ring binder for future reference.

WELDING INSPECTION REPORT

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Rework of Traveler Rail Bracket Mis-Fabrication per RFI: ABF-RFI-003190R00

The Quality Assurance Inspector observed the reworking of the following traveler rail brackets: PP109E(SA6520A), PP110E(SA6521A), PP111E(SA6520B), PP112(SA6521B), PP113E(SA6520C), PP114E(SA6521C), PP115E(SA6520D), PP116E(SA6521D), PP117E(SA6520E), PP118W(SA7501A) and PP118.35W(SA7501B). The contractor is in the process of removing the welds between the stool and cap plate, rotating the stool to the proper orientation, then rewelding the two pieces. All the welding is being performed by welder Kevin Kananen utilizing the Shield Metal Arc Welding process to the parameters of welding procedure specification ABF-WPS-D15-1020A.

Quality Control Technician Fred Michaels has been performing Magnetic Particle Testing after the cap plate was removed and ground, and after the final weld has been cooled to ambient temperature for 24 hours, the Testing has been verified by this Quality Assurance Inspector.

Summary of Conversations:

See body of report.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Gary Thomas 916-764-6027, who represents the Office of Structural Materials for your project.

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| Inspected By: | Daggett,Matt | Quality Assurance Inspector |
| Reviewed By: | Reyes,Danny | QA Reviewer |
